

CLAIMS

What is claimed is:

1. An assembly comprising:
an upholstery layer for use with a mattress;
a plurality of edge rails shaped and sized for use as edge rails of the mattress;
and
a plurality of hinges connecting each one of the plurality of edge rails to the upholstery layer such that each one of the plurality of edge rails can independently move between an unassembled position and an assembled position.
2. The assembly of claim 1 wherein the mattress is at least one of a king sized mattress, a queen sized mattress, or a twin sized mattress.
3. The assembly of claim 1 wherein the upholstery layer comprises a foam layer.
4. The assembly of claim 3 wherein the upholstery layer and at least one of the edge rails are formed from a single piece of foam, the hinge connecting the at least one of the edge rails and the upholstery layer including a slit in the single piece of foam.
5. The assembly of claim 1 wherein the plurality of edge rails are foam edges including at least one of a viscoelastic foam or a latex foam rubber.
6. The assembly of claim 1 wherein the plurality of edge rails include at least two side edges for an assembled mattress.
7. The assembly of claim 1 wherein the plurality of edge rails include at least a head edge and a foot edge for an assembled mattress.

8. The assembly of claim 1 wherein the assembly is affixed to a mattress core using tape.
9. The assembly of claim 8 wherein the tape includes two-sided tape.
10. The assembly of claim 1 wherein the assembly is affixed to itself with each of the plurality of edge rails in the assembled position using at least one of tape, staples, or hog rings.
11. The assembly of claim 1 wherein the upholstery layer includes at least one of quilting, batting, or a moisture barrier.
12. The assembly of claim 1 wherein the upholstery layer extends over one surface of each of the edge rails to provide an upholstery layer for one or more sides of an assembled mattress.
13. The assembly of claim 1 wherein the upholstery layer is at least one of a top upholstery layer of the mattress or a bottom upholstery layer of an assembled mattress.
14. The assembly of claim 1 further comprising a mattress core enclosed by the assembly, the mattress core including at least one of foam, spring coils, or pocket coils.
15. The assembly of claim 1 wherein the hinges include tape.
16. The assembly of claim 1 wherein the upholstery layer includes one or more alignment marks for positioning a mattress core relative to the upholstery layer during an assembly process.

17. A method of assembling a mattress comprising:
providing an assembly including an upholstery layer and a plurality of edge rails connected to the upholstery layer by hinges;
positioning the upholstery layer adjacent to a surface of a mattress core;
rotating each one of the plurality of edge rails to rest adjacent to one of the plurality of edges of the mattress core; and
securing the plurality of edge rails to the mattress core.
18. The method of claim 17 wherein positioning the upholstery layer adjacent to the surface of the mattress core comprises placing the mattress core on a work surface and positioning the upholstery layer on top of the mattress core.
19. The method of claim 17 wherein positioning the upholstery layer adjacent to the surface of the mattress core comprises placing the upholstery layer on a work surface and positioning the mattress core on top of the upholstery layer.
20. The method of claim 17 wherein securing the plurality of edge rails to the mattress core further comprises gluing the edge rails to the mattress core.
21. The method of claim 17 wherein securing the plurality of edge rails to the mattress core further comprises using two-sided tape, a first side of the two-sided tape adhering to one of the plurality of edge rails and a second side of the two-sided tape adhering to the mattress core.
22. The method of claim 17 further comprising securing at least one of the plurality of edge rails to at least one other one of the plurality of edge rails.
23. An assembly for use in construction of a mattress comprising:
an upholstery layer for use with a mattress;

a plurality of edge rails shaped and sized for use as edges of the mattress; and
a plurality hinge means for movably and independently positioning each of
the plurality of edge rails adjacent to the upholstery layer.